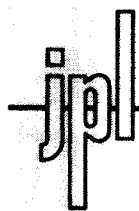


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RESEARCH
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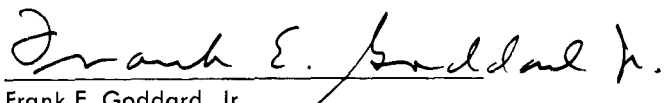
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JET PROPULSION LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CALIFORNIA

RESEARCH
AND
ADVANCED DEVELOPMENT
Publications
FISCAL YEAR 1966

R&AD Program Document 701-2

Approved:



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JET PROPULSION LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CALIFORNIA

June 30, 1967

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FOREWORD

This document, R&AD Program Document 701-2, lists the publications resulting from the JPL research and advanced development program during fiscal year 1966. The entries are based on publications reported by the individuals responsible for the NASA work units of the supporting research and technology program at JPL. Publications are listed according to JPL R&AD categories, subordinate NASA subprograms, and NASA work units.

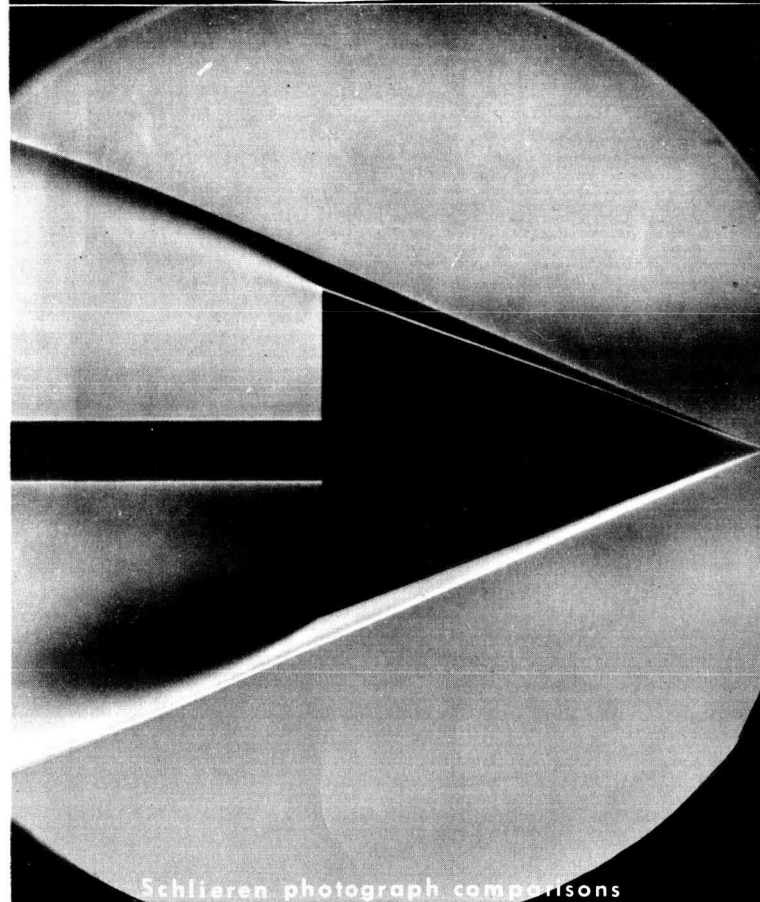
Under each work unit, publications are listed in the following sequence: publications in the open literature and JPL formal publications (JPL Technical Reports and Memorandums), progress reports (JPL Space Programs Summary contributions) and contractor reports (publications by organizations under contract to JPL).

The following abbreviations for JPL publications are used in the bibliographic listings:

TR	Jet Propulsion Laboratory Technical Report
TM	Jet Propulsion Laboratory Technical Memorandum
SPS	Jet Propulsion Laboratory Space Programs Summary

Dates of publication for JPL Space Program Summary reports cited in this document are as follows:

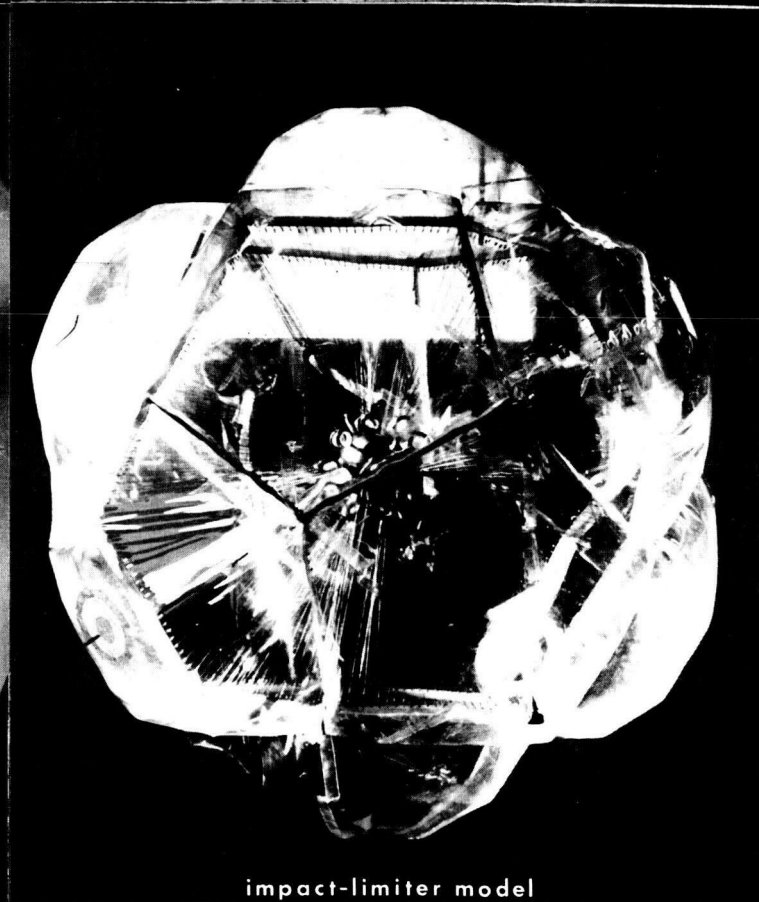
SPS 37-34, Vol IV	August 31, 1965
SPS 37-35, Vol IV	October 31, 1965
SPS 37-36, Vol IV	December 31, 1965
SPS 37-37, Vol IV	February 28, 1966
SPS 37-38, Vol IV	April 30, 1966
SPS 37-39, Vol IV	June 30, 1966
SPS 37-40, Vol IV	August 31, 1966



Schlieren photograph comparisons



tandem models in free flight



impact-limiter model

Wind Tunnel Studies and High-Impact Testing

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684-30 PLANETARY AND INTERPLANETARY

684-30-08-01-55 Advanced Planetary Probe Mission Study

Brereton, R. G., et al., Venus: Preliminary Science Objectives and Experiments for Use in Advanced Mission Studies, TM 33-282, May 1966.

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684-30-09-01-55 Jupiter Flyby Mission Study

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189-55 EXOBIOLOGY

189-55-04-01-55 Desert Microflora

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189-58 PLANETARY QUARANTINE/STERILIZATION

189-58-21-01-55 Sterile Assembly Techniques

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185-24-05-04-55 Pulse Height Analyzer Development

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185-37

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185-37-20-02-55

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185-37-26-06-55 Interferometric Investigations

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185-41-21-01-55

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185-42-20-01-55

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185-47

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185-47-01-01-55

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188-36

MAGNETODYNAMICS IN SPACE

188-36-01-03-55

Advanced Magnetometer

Progress Reports

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188-46

ENERGETIC PARTICLES

188-46-01-01-55

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Progress Reports

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FIELDS AND PARTICLES DATA

385-48-01-01-55

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186-58

PLANETARY QUARANTINE/STERILIZATION

186-58-13-02-55

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186-68

SPACECRAFT AND CAPSULE EQUIPMENT DEVELOPMENT

186-68-01-01-55

Planetary Entry and Landing Structures

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186-68-09-03-55

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186-68-13-01-55

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186-71

SPACECRAFT TESTING EQUIPMENT AND TECHNIQUES

186-71-01-01-55

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Progress Reports

Youngberg, C., Optical Fabrication of 116-in. Diameter Spherical Metal Mirror, SPS 37-34, p. 116.

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124-07

SPACECRAFT AEROTHERMODYNAMICS

124-07-01-01-55

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Progress Reports

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124-07-01-04-55

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124-07-04-01-55

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124-07-04-02-55

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124-08

SPACECRAFT STRUCTURES

124-08-03-03-55

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124-09

SPACE VEHICLE ENVIRONMENTAL FACTORS

124-09-04-01-55

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124-09-05-01-55

Effect of Environment on Spacecraft Thermal Control Materials

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128-32-05-02-55

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120-26-04-01-55

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123-33-01-01-55

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